

Education

- 2021–present **Ph.D. in Quantitative Marketing**, *University of Washington - Michael G. Foster School of Business*.
- 2018–2021 **Master of Science in Artificial Intelligence**, *Sharif University of Technology*, Tehran Iran, GPA: 18.45/20.00.
- 2014–2018 **Bachelor of Science in Computer Engineering**, *Sharif University of Technology*, Tehran Iran, GPA: 18.04/20.00.

Fields of Interest

Applied Microeconomics
Machine Learning
Computational Social Science

Research Experience

- working on **Designing an Interactive Learning method for Dynamic Pricing**, *Foster School of Business*.
In this project, we are designing a thompson sampling method for dynamic pricing problem. We are using a Multinomial Logit choice model for modeling demand responses. For evaluation, we compare the regret in terms of revenue lost when we run our method on generated and real data.
- 2020 **Representation Learning on Dynamic Graphs**, *Sharif University of Technology*.
In this project, we designed an online learning method for graph-structured data that could be used for tasks like link prediction or node classification. We fixed a problem in the loss function that improved the model's accuracy and training time.
- 2018 **Profiling Researchers Based on Features Extracted from Articles and Citations**, *Sharif University of Technology*.
We developed a mathematical model for evaluating scientific researchers. Our proposed model improves on two existing probabilistic models, R-model & Q-model, by incorporating an iterative strategy to obtain a better quantitate evaluation of the researchers.

Teaching Experience

- Teaching assistant Analytics for Marketing Decisions, Winter 2022
- Teaching assistant Convex Optimization, Spring 2020
- Teaching assistant Engineering Probability and Statistics, Spring 2020, Fall 2017, Spring 2017
- Teaching assistant Social and Economic Networks, Fall 2019, Spring 2018
- Teaching assistant Data Structures and Algorithms, Fall 2016

Work Experience

- Technical Team Member **Rooberah.co**, *July 2019 - July 2020, June 2021 - present*.
We develop a software as a service platform that helps online stores to increase their sales. My responsibility is to design and implement back-end and front-end codes which introduce new features to the product.

Software **Pushe.co**, May 2018 - February 2019.

Engineer I started my work as a backend developer working with the Django web framework. I then moved to the Data team, where I designed and implemented different data science methods on the to solve problems like fraud detection and CTR prediction during this experience.

Poster Presentation

2019 **Representation Learning on Dynamic Graphs**, *ICTP Workshop on Science of Data Science*, Trieste Italy.

Academic Service

2015–2017 Member of the Student Scientific Chapter (SSC), Computer Engineering Department of Sharif University of Technology, SSC is the student committee concerned with directing the department extra-curriculum activities.

Course Projects

- 2019 **What You Get Is What You See: A Visual Markup Decompiler**, *Course: Deep Learning*.
We implemented different deep learning architectures for converting images to their original latex code and compared the results.
- 2019 **Generative Image Inpainting with Contextual Attention**, *Course: Digital Image Processing*.
In this project, I overviewed a publication on image inpainting task and done a literature review on other methods for this task.
- 2018 **What Causes Students Not to Ask Their Questions in Class?**, *Course: Topics in Statistics*.
We designed a survey and a sampling mechanism in university, then analyzed the results to find patterns in the data and possible explanations.

Awards

- 2018 Ranked 5th in national scientific olympiads for university students in Computer Engineering, 2018, Iran.
- 2018 Ranked 3rd in the universities entrance exam for Artificial Intelligence M.Sc. degree, 2018, Iran.
- 2018 Ranked 1st in the universities entrance exam for Bioinformatics and Data Analysis M.Sc. degree, 2018, Iran.
- 2014 Ranked 258th among more than 220,000 participants in the nation-wide universities entrance exam (Concours), 2014, Iran.
- 2013 Ranked in the top 60 students for the Iranian National Olympiads in Informatics

Computer skills

Advanced PYTHON, C/C++

Intermediate R, Matlab, Bash, PHP, javascript, Java, HTML, \LaTeX , Linux

Familiar with Octave, Scala

Languages

Persian Native

English